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——— BEFORE RESOURCE BALANCING (0)
— — — — AFTER RESOURCE BALANCING (1)

SERVICE GROUP
QUALITY

— QoS REQ. B
— QoS REQ. A

CAP0=
MIN(A0,B0)

A0

AGGREGATE LOAD
FOR CERTAIN
SERVICE MIX

CAP1= MIN(A1,B1)= A1= B1> CAP0!!

B0

FIG. 1

SELECT QUALITY OF SERVICE
REQUIREMENTS FOR THE
DIFFERENT BEARER SERVICES — 210

EXTRACT THE C/I
REQUIREMENTS — 220

COMPENSATE FOR
DIFFERENCES IN FRACTIONS
OF SATISFIED USERS BASED
UPON EXPECTED C/I
DISTRIBUTION — 230

SET POWER DIFFERENCES
(BETWEEN FIXED AND/OR
MAXIMUM POWER) TO SUM
OF THE DIFFERENCES IN C/I
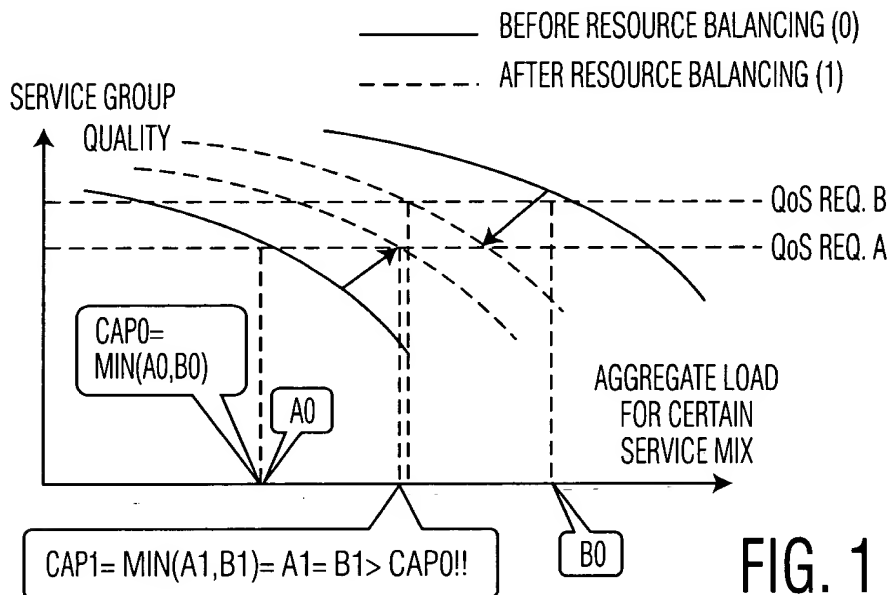REQUIREMENT AND
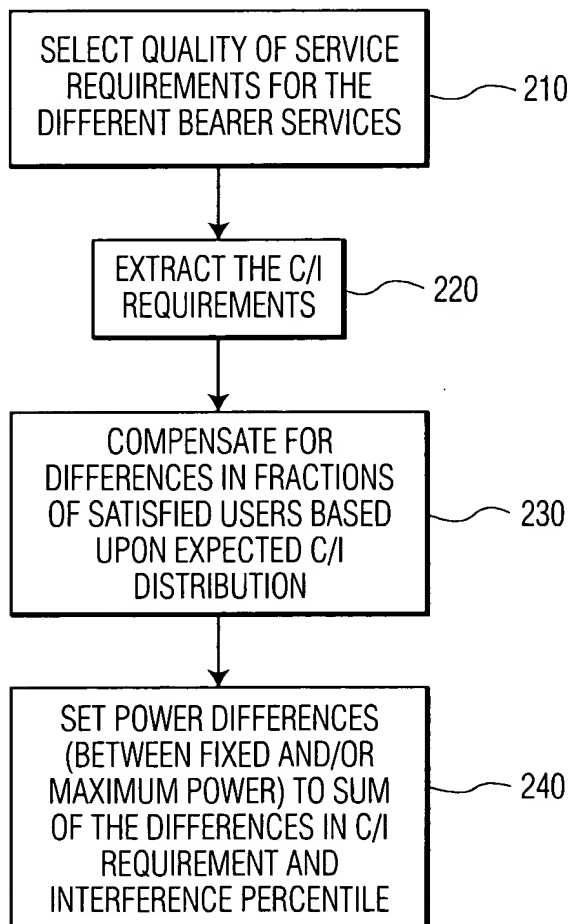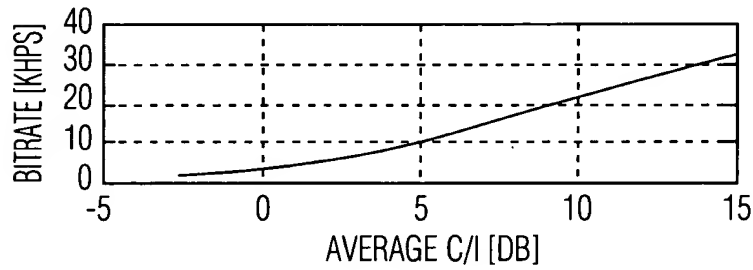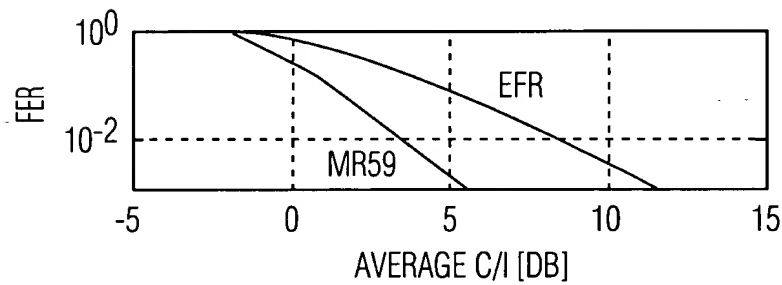INTERFERENCE PERCENTILE — 240

FIG. 2

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FIG. 3A

FIG. 3B

VOICE QUALITY AND C/I REQUIREMENT	INTERACTIVE DATA QUALITY (PER TS) AND C/I REQUIREMENT	5TH - 10TH PERCENTILE DIFFERENCE	POWER OFFSET
EFR 1% FER 8dB C/I	10 KBPS/5dB		8-5+3=6dB
	15 KBPS/7dB		8-7+3=4dB
	20 KBPS/9dB	3dB	8-9+3=2dB
MR59 0.6% FER 4dB C/I	10 KBPS/5dB		4-9+3=2dB
	15 KBPS/7dB		4-9+3=0dB
	20 KBPS/9dB		4-9+3=-2dB

FIG. 4

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FIG. 5